Tender:	SELECTION OF APPLICATION INTEGRATOR FOR "DESIGNING, DEVELOPMENT, INTEGARTION AND IMPLEMENTATION OF NATIONAL INSIGHTS CENTER PLATFORM" FOR MINISTRY OF EDUCATION					
Tender No.:	EdCIL/DES/ICCCPlatfrom/2024					
S.No.	Company Name	Section No.	Page No.	Clause as per RFP	Clarification Sought	Response
1	Terracis Technologies Limited	Chapter VIII, Payment Terms	52	**For Operation Maintenance support** Payment shall be released after successful completion of year-on-year operation maintenance support period **Payment % of the Contract** 100% Operation Maintenance support Cost per year after successful completion of Operation Maintenance support	We request you to kindly amend the clause as below **"Payment shall be released after successful completion of every quarter for operation maintenance support period"**	No Change
2	Terracis Technologies Limited	Chapter VIII, Payment for PMU	52	The payment to the Successful Bidder will be made on quarterly basis depending upon the actual duration of services rendered.	We understand that the payment will be made on quarterly basis against the availability of manpower. Please clarify.	Payment will be made on quarterly basis against the resources deployed and their attendance duly verified by the client.
3	Terracis Technologies Limited	Chapter VIII, Payment for PMU	52	The agency will submit pre-receipted bills in triplicate (having details of concerned work-order number, Date and Project-Number of EdCIL) on quarterly basis in the name of EdCIL-Noida by the 5th day of the succeeding quarter along with the Quarterly Satisfactory Performance Report(s) of the Team Members deployed duly signed by Client's Project coordinator. Payment will be made within 30 days of submission of the Bill along with all the completed documents and after deducting the applicable penalty if any.	We request you to kindly amend the clause as below: "The agency will submit pre-receipted bills in triplicate (having details of concerned work-order number, Date and Project-Number of EdCIL) on quarterly basis in the name of EdCIL-Noida by the 5th day of the succeeding quarter along with the Quarterly Satisfactory Performance Report(s) of the Team Members deployed duly signed by Client's Project coordinator. Payment will be made within **15 days of submission** of the Bill along with all the completed documents and after deducting the applicable penalty if any."	No Change
4	Terracis Technologies Limited	Chapter VIII, Payment for PMU	53	No TA/DA is admissible for the deployment of agency Team Members on projects anywhere in India.	We understand that the deployment of manpower would be at the EDCIL adress, Please clarify? We request that the official travel should be on reimbursable basis.	Deployment of manpower would be at Ministry of Education, Delhi. Bidder has to undergo the expenses of travel on their own

5	Terracis Technologies Limited	Chapter VIII, Payment for Cloud	53	Payment to the Supplier shall be made in Indian Rupees through account payee cheque / NEFT / RTGS, Payments will be done only on the back-to- back basis on receipt of the related payment/funds from the end client, subject to acceptance of the deliverables from the end client as per the submission of the required document.	We understand that the cost quoted by the bidder will be paid in 4 equal quarters. As we need to commit the minimum infrastrure deployment to the service provider.	No Change
6	Terracis Technologies Limited	Chapter VIII, Note	53	Payments will be done only on the back to back basis on receipt of the related payment/funds from the end client, subject to satisfactory acceptance of the deliverables from the end client as per the submission of the required document.	We should not be held back because non availability of the funds from the end client. We request you to pay the charges on regular basis as per payment terms else the project will not be feasible for us to maintain positive cashflow.	No Change
7	Terracis Technologies Limited	Chapter VIII, Note	53	The billing for PMU resources required after deployment would commence from the date of deployment Acceptance of the National Observatory platform.	We understand that the resources for PMU will be deployed within 30 days from the deployment acceptance of National Observatory platform.	The billing for PMU resources required after deployment would commence from the date of deployment Acceptance of the National Observatory platform from client. (i.e after completing the T+90 days milestone as per RFP)
8	Terracis Technologies Limited	6.2, Eligibility Criteria	42	The Bidder/COTS OEM must have successfully supplied command & control software under any completed project of value not less than Rs. 2 crores in any of the last seven years preceding on bid due date.	Since there is separate OEM criteria mentioned below, please confirm if this is for Bidder only.	No Change
9	Terracis Technologies Limited	6.2, Eligibility Criteria	42	The bidder/COTS OEM should have ISO 9001:2015, ISO/IEC 20000-1:2018, ISO/IEC 27000-:2013/2015.	Since there is separate OEM criteria mentioned below, please confirm if this is for Bidder only.	No Change
10	Terracis Technologies Limited	6.2, Eligibility Criteria	42	Proposed Platform should have been deployed in at least 3 smart cities in India. All these implementations should be successfully operational for least 3 years with Integration to minimum 10 different sub systems /applications.	We request this clause to be changed as below for larger OEM participation "Proposed Platform should have been deployed in at least 2 smart cities in India. All these implementations should be successfully operational for atleast 1 year with Integration to minimum 7 different sub systems /applications."	Refer corrigendum

11	Terracis Technologies Limited	6.2, TECHNICAL EVALUATION	46	3. The Bidder/COTS OEM must have successfully supplied command & control software under any completed project of value not less than Rs. 2 crores in any of the last seven years preceding on bid due date.	Since there is separate OEM criteria mentioned below, please confirm if this is for Bidder only.	No Change
12	Terracis Technologies Limited	6.2, TECHNICAL EVALUATION	46	5. The bidder/COTS OEM should have ISO 9001:2015, ISO/IEC 20000-1:2018, ISO/IEC 27000-:2013/2015.	Since there is separate OEM criteria mentioned below, please confirm this is for Bidder.	No Change
13	Terracis Technologies Limited	5.9 Manpower Section	28	Proposed Team Structure	We request to add 1 technical lead for the project management	No Change
14	Terracis Technologies Limited	5.9 Manpower Section	28	**Full Stack Developer** ◻ At least a year of experience of IT/ICT implementation in education sector for Center/State government. ◻ Should have been a part of at least one project for Centre/State governments or Multilateral/Bilateral Agencies.	We request you to delete these two specific requirements for resources as it would be difficult for 3+ years developers to have such experience.	Refer corrigendum
15	Terracis Technologies Limited	5.9 Manpower Section	28	**Database Developer** ◻ At least a year of experience of IT/ICT implementation in education sector for Center/State government. ◻ Should have been a part of at least one project for Centre/State governments or Multilateral/Bilateral Agencies.	We request you to delete these two specific requirements for resources as it would be difficult for 3+ years developers to have such experience.	Refer corrigendum
16	Terracis Technologies Limited	5.9 Manpower Section	28	**Devops Developer** ◻ At least a year of experience of IT/ICT implementation in education sector for Center/State government. ◻ Should have been a part of at least one project for Centre/State governments or Multilateral/Bilateral Agencies.	We request you to delete these two specific requirements for resources as it would be difficult for 3+ years developers to have such experience.	Refer corrigendum
17	Terracis Technologies Limited	5.5	22	3. Deployment of the platform in High Availability Model in Public Cloud (provided by department).	Is cloud being provided by department? Please clarify.	Refer corrigendum

18	Terracis Technologies Limited	5.5	23	Security features of the solution to conform to industry standards including Information Technology Act 2000, Information Technology Rules 2011, Aadhaar (Data Security Regulations) 2016 (if Aadhaar is used in any manner as part of the solution), GDPR, ISO 27108, Personalized Data Protection Bill 2018, etc.	ISO 27108 is related to Water Quality and Biocide products and as such is not applicable here. Recommend this be replaced with relevant ISO 27001.	Refer corrigendum
19	Terracis Technologies Limited	5.6	24	A suitable COTS ICCC Platform is to be deployed as the National Education Observatory Platform.	COTS ICCC Platform referred in the RFP. However, technical complaince table to select the right COTS ICCC Platform is not available in the RFP. Request to provide suitable technical complaince table suitable as per the Functional requirements to ensure suitable solution is quoted by all bidders.	Refer corrigendum
20	Terracis Technologies Limited	5.6	23	Functional Requirements of the National Education Observatory Platform	Please provide approximate user counts for the platform and different types of users if applicable. What will be concurrent user count.	The selected partner will do the requirement analysis with client
21	Terracis Technologies Limited	5.7	24	Integration Capabilities of ICCC	Please provide approximate data volumes, integration mechanism for known integrations from the department.	The selected partner will do the requirement analysis with client
22	Terracis Technologies Limited	5.7	24	Integration Capabilities of ICCC	Please confirm Department/EdCIL will be facilitating exposing data from all existing Education department applications for timely integration into the National Education Observatory platform.	The selected partner need to cordinate with the respective Department for facilitating exposing data from all existing Education department applications for timely integration into the National Education Observatory platform.
23	Terracis Technologies Limited	5.7	24	Integration Capabilities of ICCC	Please confirm specific authority/Program Coordinator will be nominated who will approve timely which all integrations that are required into the platform and which all usecases are required into the dashboard.	The official may be nominated from respective Department for approvals.

24	Terracis Technologies Limited	5.9	31	Deployment Plan:	Post deployment of the platform, there will be lot of ongoing integrations, new dashboards development etc. Since the initial deployment phase is too small, we assume all these activities will need to be carried out by onsite manpower. Hence, the manpower proposed in the RFP seem too less for initial period. We request authority to increase the Fullstack developers to 3.	It is asssumed that the majority of the work needs to be completed by the selected bidder during the deployment phase. Subsequently tender has provision to increase or decrease the quantity of PMU Resources based on the requirement of the project after the approval from the department.
25	Terracis Technologies Limited	5.11	34	CLOUD SECTION - Data Collection and Aggregation	Data Collection and Aggregation shall be a key functionality of the COTS ICCC Platform and as such not Cloud Functionality. Request to remove this or move to ICCC Section.	The requirement is only a capability asked in the Cloud section. Bidder is free to choose any mechanism from the platform or use cloud native capability to design the same.
26	Terracis Technologies Limited	5.11	34	CLOUD SECTION - Data Lake Solution	COTS ICCC application shall have Bigdata or equivalent backend system as per the ICCC Architecture. This is not a Cloud Functionality. Request to remove this and specify the expectation of ICCC in Technical Specifications. As the RFP asks that the platform should be deployable in NIC Data center onpremises as well as on Cloud - it is important to not tie it up with Cloud-specific solutions.	The requirement is only a capability asked in the Cloud section. Bidder is free to choose any mechanism from the platform or use cloud native capability to design the same.
27	Terracis Technologies Limited	5.11	34	CLOUD SECTION - Data Transformation	Data Transformation shall be a key functionality of the COTS ICCC Platform and as such not Cloud Functionality. Request to remove this or move to ICCC Section. Request to remove reference to vendor specific technologies like Hadoop, Spark etc as different ICCC use different technologies.	The requirement is only a capability asked in the Cloud section.The frameworks mentioned are some open source frameworks for reference only. Bidder is free to choose any mechanism from the platform or use cloud native capability to design the same.
28	Terracis Technologies Limited	5.11	34	CLOUD SECTION - Data Collection and Aggregation	Data Collection and Aggregation shall be a key functionality of the COTS ICCC Platform and as such not Cloud Functionality. Request to remove this or move to ICCC Section.	The requirement is only a capability asked in the Cloud section. Bidder is free to choose any mechanism from the platform or use cloud native capability to design the same.

29	Terracis Technologies Limited	5.11	34	CLOUD SECTION	Request to provide Cloud Requirements in terms of Data Volumes expected, any specific security solutions to be used etc.	Bidder would be responsible for the overall security of the platform and they should provide security solution available natively from cloud provider
30	Terracis Technologies Limited	Chapter-VII	49	Start pack Integration, implementation and demonstration.	This activity involves mulitple things and T+14 days is not realistic. Request to update this to T+21 days at a minimum. 1. Deployment of the platform 2. Understanding the 5 data sources being proposed. 3. Integration Discussions with the Data Sources team or department team to understand and come up with usecases. 4. Actual data integration, data modeling. 5. Dashboard creation.	No Change
31	Terracis Technologies Limited	Chapter-VII	49	Start pack Integration, implementation and demonstration.	Request to share details of the Start Pack like data volumes, number of fields, mode of integration (API, Database) etc. Dates can not be committed without knowing which data sources and integration mechanism at minimum.	The selected partner will do the requirement analysis with client
32	Terracis Technologies Limited	Chapter-VII	49	Full Design, development, integration of service.	Please clarify what constitutes this Milestone item. There could be continuous ongoing activities and without showcasing some scope confirmation, how do the authority measure this to be completed at T+90? There can not be a penality without clarity in scope as this is open-ended.	**Milestone to achieve in T+90 days** Complete required integrations and dashboards development (minimum 10 Nos. of integrations of different independent systems of higher education and minimum 15 Nos. of development & deployment of dashboards on cloud as well as the quantity agreed with the client)
33	Terracis Technologies Limited	Chapter-VII	52	The Operation Maintenance support Period will commence from the date of Operational Acceptance of the National Observatory platform from end client.	Please confirm the operational acceptance criteria of the National Observatory Platform is the "starter pack integration". If any other, please mention the same.	Operational acceptance criteria for the National Observatory Platform include the full design, development, and integration of services after acceptance from the department.

34	Terracis Technologies Limited	FINANCIAL BID SUBMISSION SHEET C. CLOUD	105	Virtual Machines Linux virtual machine (Enterprise grade Linux with Enterprise support included for the OS) License included (x86 architecture): Linux VM 4vCPU 16GB RAM Qty - 6	Please confirm this sizing is only for cost estimate purpose and actual payable as part of the project will be based on actual utilization. ICCC Application in Micro-services architecture and in High Availability might require more Virtual Machines.	Bidder can propose the justifiable infra as per their solution. The billing will be as per actual utilization of the cloud resources.The bidder is also required to provide the technical stack during the technical presentation.
35	Terracis Technologies Limited	FINANCIAL BID SUBMISSION SHEET C. CLOUD	105	Virtual Machines Linux virtual machine (Enterprise grade Linux with Enterprise support included for the OS) License included (x86 architecture): Linux VM 4vCPU 16GB RAM Qty - 6	Please confirm this sizing is only for cost estimate purpose and actual payable as part of the project will be based on actual utilization. ICCC Application in Micro-services architecture and in High Availability might require more Virtual Machines.	Bidder can propose the justifiable infra as per their solution. The billing will be as per actual utilization of the cloud resources.The bidder is also required to provide the technical stack during the technical presentation.
36	Terracis Technologies Limited	FINANCIAL BID SUBMISSION SHEET C. CLOUD	106	Load Balancers having 10 rules evaluating for every request with data being processed up to 1TB/month and 1/MN request/month: 1 Load balancer unit for Layer 7 load balancing	Request to add one unit of Layer 4 Load Balancer as well for Network Load Balancer	Bidder can propose the justifiable infra as per their solution. The billing will be as per actual utilization of the cloud resources.The bidder is also required to provide the technical stack during the technical presentation.
37	Terracis Technologies Limited	FINANCIAL BID SUBMISSION SHEET C. CLOUD	107	VAPT 1 Per month	VAPT is not usually performed every month. It is performed usually every year. Please confirm specific scope of VAPT and required frequency.	BoQ is specified in the RFP for seeking prices. Billing will be as per the actual consumption
38	Terracis Technologies Limited	FINANCIAL BID SUBMISSION SHEET C. CLOUD	109	Cloud Integration Service Cloud API Gateway Cluud Anti-DDOS ETL Service ETL Crawler	Please confirm these are only indicational and there is no mandate to use these specific services from Cloud. Many ICCC will have these as inherent functionalities and might be utilized as IaaS.	Bidder can propose the justifiable infra as per their solution. The billing will be as per actual utilization of the cloud resources.The bidder is also required to provide the technical stack during the technical presentation.

39	Terracis Technologies Limited	FINANCIAL BID SUBMISSION SHEET C. CLOUD	109	Datawarehouse	COTS ICCC application shall have Bigdata or equivalent backend system as per the ICCC Architecture. Adding an additional Datawarehouse component from cloud side would be redundant and add to the cost.	Bidder can propose the justifiable infra as per their solution. The billing will be as per actual utilization of the cloud resources.The bidder is also required to provide the technical stack during the technical presentation.
40	IQuantela Technologies Pvt Ltd	6.2, Eligibility Criteria	42	The Bidder/COTS OEM must have successfully supplied command & control software under any completed project of value not less than Rs. 2 crores in any of the last seven years preceding on bid due date.	Since there is separate OEM criteria mentioned below, please confirm if this is for Bidder only.	No Change
41	IQuantela Technologies Pvt Ltd	6.2, Eligibility Criteria	42	The bidder/COTS OEM should have ISO 9001:2015, ISO/IEC 20000-1:2018, ISO/IEC 27000-:2013/2015.	Since there is separate OEM criteria mentioned below, please confirm if this is for Bidder only.	No Change
42	IQuantela Technologies Pvt Ltd	6.2, Eligibility Criteria	42	Proposed Platform should have been deployed in at least 3 smart cities in India. All these implementations should be successfully operational for least 3 years with Integration to minimum 10 different sub systems /applications.	We request this clause to be changed as below for larger OEM participation "Proposed Platform should have been deployed in at least 2 smart cities in India. All these implementations should be successfully operational for atleast 1 year with Integration to minimum 7 different sub systems /applications."	Refer corrigendum
43	IQuantela Technologies Pvt Ltd	6.2, TECHNICAL EVALUATION	46	3. The Bidder/COTS OEM must have successfully supplied command & control software under any completed project of value not less than Rs. 2 crores in any of the last seven years preceding on bid due date.	Since there is separate OEM criteria mentioned below, please confirm if this is for Bidder only.	Refer corrigendum
44	IQuantela Technologies Pvt Ltd	6.2, TECHNICAL EVALUATION	46	5. The bidder/COTS OEM should have ISO 9001:2015, ISO/IEC 20000-1:2018, ISO/IEC 27000-:2013/2015.	Since there is separate OEM criteria mentioned below, please confirm this is for Bidder.	No Change
45	IQuantela Technologies Pvt Ltd	5.5	22	3. Deployment of the platform in High Availability Model in Public Cloud (provided by department).	Is cloud being provided by department? Please clarify.	Refer corrigendum

46	IQuantela Technologies Pvt Ltd	5.6	24	A suitable COTS ICCC Platform is to be deployed as the National Education Observatory Platform.	COTS ICCC Platform referred in the RFP. However, technical complaince table to select the right COTS ICCC Platform is not available in the RFP. Request to provide suitable technical complaince table suitable as per the Functional requirements to ensure suitable solution is quoted by all bidders.	Refer corrigendum
47	IQuantela Technologies Pvt Ltd	5.6	23	Functional Requirements of the National Education Observatory Platform	Please provide approximate user counts for the platform and different types of users if applicable. What will be concurrent user count.	The selected partner will do the requirement analysis with client
48	IQuantela Technologies Pvt Ltd	5.7	24	Integration Capabilities of ICCC	Please provide approximate data volumes, integration mechanism for known integrations from the department.	The selected partner will do the requirement analysis with client
49	IQuantela Technologies Pvt Ltd	5.7	24	Integration Capabilities of ICCC	Please confirm Department/EdCIL will be facilitating exposing data from all existing Education department applications for timely integration into the National Education Observatory platform.	The selected partner need to cordinate with Department for facilitating exposing data from all existing Education department applications for timely integration into the National Education Observatory platform.
50	IQuantela Technologies Pvt Ltd	5.7	24	Integration Capabilities of ICCC	Please confirm specific authority/Program Coordinator will be nominated who will approve timely which all integrations that are required into the platform and which all usecases are required into the dashboard.	The selected partner will do the requirement analysis with client
51	IQuantela Technologies Pvt Ltd	5.9	31	Deployment Plan:	Post deployment of the platform, there will be lot of ongoing integrations, new dashboards development etc. Since the initial deployment phase is too small, we assume all these activities will need to be carried out by onsite manpower. Hence, the manpower proposed in the RFP seem too less for initial period. We request authority to increase the Fullstack developers to 3.	It is asssumed that the majority of the work needs to be completed by the selected bidder during the deployment phase. Subsequently tender has provision to increase or decrease the quantity of PMU Resources based on the requirement of the project after the approval from the department.

52	IQuantela Technologies Pvt Ltd	5.11	34	CLOUD SECTION - Data Collection and Aggregation	Data Collection and Aggregation shall be a key functionality of the COTS ICCC Platform and as such not Cloud Functionality. Request to remove this or move to ICCC Section.	The requirement is only a capability asked in the Cloud section. Bidder is free to choose any mechanism from the platform or use cloud native capability to design the same.
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54	IQuantela Technologies Pvt Ltd	5.11	34	CLOUD SECTION - Data Transformation	Data Transformation shall be a key functionality of the COTS ICCC Platform and as such not Cloud Functionality. Request to remove this or move to ICCC Section. Request to remove reference to vendor specific technologies like Hadoop, Spark etc as different ICCC use different technologies.	The requirement is only a capability asked in the Cloud section.The frameworks mentioned are some open source frameworks for reference only. Bidder is free to choose any mechanism from the platform or use cloud native capability to design the same.
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56	IQuantela Technologies Pvt Ltd	5.11	34	CLOUD SECTION	Request to provide Cloud Requirements in terms of Data Volumes expected, any specific security solutions to be used etc.	Bidder would be responsible for the overall security of the platform and they should provide security solution available natively from cloud provider

57	IQuantela Technologies Pvt Ltd	Chapter-VII	49	Start pack Integration, implementation and demonstration.	This activity involves mulitple things and T+14 days is not realistic. Request to update this to T+30 days at a minimum. 1. Deployment of the platform 2. Understanding the 5 data sources being proposed. 3. Integration Discussions with the Data Sources team or department team to understand and come up with usecases. 4. Actual data integration, data modeling. 5. Dashboard creation.	No Change
58	IQuantela Technologies Pvt Ltd	Chapter-VII	49	Start pack Integration, implementation and demonstration.	Request to share details of the Start Pack like data volumes, number of fields, mode of integration (API, Database) etc. Dates can not be committed without knowing which data sources and integration mechanism at minimum.	The selected partner will do the requirement analysis with client
59	IQuantela Technologies Pvt Ltd	Chapter-VII	49	Full Design, development, integration of service.	Please clarify what constitutes this Milestone item. There could be continuous ongoing activities and without showcasing some scope confirmation, how do the authority measure this to be completed at T+90? There can not be a penality without clarity in scope as this is open-ended.	**Milestone to achieve in T+90 days** Complete required integrations and dashboards development (minimum 10 Nos. of integrations of different independent systems of higher education and minimum 15 Nos. of development & deployment of dashboards on cloud as well as the quantity agreed with the client)
60	IQuantela Technologies Pvt Ltd	Chapter-VII	52	The Operation Maintenance support Period will commence from the date of Operational Acceptance of the National Observatory platform from end client.	Please confirm the operational acceptance criteria of the National Observatory Platform is the "starter pack integration". If any other, please mention the same.	Operational acceptance criteria for the National Observatory Platform include the full design, development, and integration of services after acceptance from the client.
61	IQuantela Technologies Pvt Ltd	FINANCIAL BID SUBMISSION SHEET C. CLOUD	107	VAPT 1 Per month	VAPT is not usually performed every month. It is performed usually every year. Please confirm specific scope of VAPT and required frequency.	BoQ is specified in the RFP for seeking prices. Billing would be as per the actual consumption

62	IQuantela Technologies Pvt Ltd	FINANCIAL BID SUBMISSION SHEET C. CLOUD	109	Datawarehouse	COTS ICCC application shall have Bigdata or equivalent backend system as per the ICCC Architecture. Adding an additional Datawarehouse component from cloud side would be redundant and add to the cost.	Bidder can propose the justifiable infra as per their solution. The billing will be as per actual utilization of the cloud resources.The bidder is also required to provide the technical stack during the technical presentation.
63	ParadigmIT Technology Services Pvt. Ltd.	5.5	23	Security features of the solution to conform to industry standards including Information Technology Act 2000, Information Technology Rules 2011, Aadhaar (Data Security Regulations) 2016 (if Aadhaar is used in any manner as part of the solution), GDPR, ISO 27108, Personalized Data Protection Bill 2018, etc.	ISO 27108 is related to Water Quality and Biocide products and as such is not applicable here. Recommend this be replaced with relevant ISO 27001.	Refer corrigendum
64	ParadigmIT Technology Services Pvt. Ltd.	5.6	24	A suitable COTS ICCC Platform is to be deployed as the National Education Observatory Platform.	Please share technical compliance table for COTS ICCC Platform.	Refer corrigendum
65	ParadigmIT Technology Services Pvt. Ltd.	5.9 Manpower Section	28	**Full Stack Developer** ☐ At least a year of experience of IT/ICT implementation in education sector for Center/State government. ☐ Should have been a part of at least one project for Centre/State governments or Multilateral/Bilateral Agencies.	We request you to delete these two specific requirements for resources as it would be difficult for 3+ years developers to have such experience.	Refer corrigendum
66	ParadigmIT Technology Services Pvt. Ltd.	5.9 Manpower Section	28	**Database Developer** ☐ At least a year of experience of IT/ICT implementation in education sector for Center/State government. ☐ Should have been a part of at least one project for Centre/State governments or Multilateral/Bilateral Agencies.	We request you to delete these two specific requirements for resources as it would be difficult for 3+ years developers to have such experience.	Refer corrigendum
67	ParadigmIT Technology Services Pvt. Ltd.	5.9 Manpower Section	28	**Devops Developer** ☐ At least a year of experience of IT/ICT implementation in education sector for Center/State government. ☐ Should have been a part of at least one project for Centre/State governments or Multilateral/Bilateral Agencies.	We request you to delete these two specific requirements for resources as it would be difficult for 3+ years developers to have such experience.	Refer corrigendum

68	ParadigmIT Technology Services Pvt. Ltd.	5.9	31	Deployment Plan:	As most of integrations and dashboarding is to be done post the initial deployment, request to consider increasing the manpower requirement or add additional offsite professional services.	It is asssumed that the majority of the work needs to be completed by the selected bidder during the deployment phase. Subsequently tender has provision to increase or decrease the quantity of PMU Resources based on the requirement of the project after the approval from the department.
69	ParadigmIT Technology Services Pvt. Ltd.	6.2, Eligibility Criteria	42	The Bidder should have experience of 1 project with a customer in India on setting up dashboards and analytics solution on public cloud. OR The Bidder should have experience in integration minimum 3 sub-systems out of the below mentioned in a single project during the last three years preceding on bid due date. 1. Video Management Software 2. E-Governance 3. Public Address System **Documents required** Copy of Work order/ Agreement AND Certificate of Completion with satisfactory performance from client	We request you to amend the clause as below: The Bidder should have experience of 1 project with a customer in India on setting up dashboards and analytics solution on public cloud. OR The Bidder should have experience in integration minimum 3 sub-systems out of the below mentioned in a single project during the last three years preceding on bid due date. 1. Video Management Software 2. E-Governance 3. Public Address System **Documents required** Copy of Work order/ Agreement OR Certificate of Completion with satisfactory performance from client	No Change
70	ParadigmIT Technology Services Pvt. Ltd.	6.2, Eligibility Criteria	42	The Bidder/COTS OEM must have successfully supplied command & control software under any completed project of value not less than Rs. 2 crores in any of the last seven years preceding on bid due date.	Please clarify if this is Bidder only criteria.	No Change
71	ParadigmIT Technology Services Pvt. Ltd.	6.2, Eligibility Criteria	42	The bidder/COTS OEM should have ISO 9001:2015, ISO/IEC 20000-1:2018, ISO/IEC 27000-:2013/2015.	Please clarify if this is Bidder only criteria.	No change

72	ParadigmIT Technology Services Pvt. Ltd.	6.2, Eligibility Criteria	42	Proposed Platform should have been deployed in at least 3 smart cities in India. All these implementations should be successfully operational for least 3 years with Integration to minimum 10 different sub systems /applications.	We request this clause be amended as below. "Proposed Platform should have been deployed in at least 2 smart cities in India. All these implementations should have minimum 7 different sub systems /applications."	Refer Corrigendum
73	ParadigmIT Technology Services Pvt. Ltd.	6.2, TECHNICAL EVALUATION	46	3. The Bidder/COTS OEM must have successfully supplied command & control software under any completed project of value not less than Rs. 2 crores in any of the last seven years preceding on bid due date.	Please clarify if this is Bidder only criteria.	No Change
74	ParadigmIT Technology Services Pvt. Ltd.	6.2, TECHNICAL EVALUATION	46	5. The bidder/COTS OEM should have ISO 9001:2015, ISO/IEC 20000-1:2018, ISO/IEC 27000-:2013/2015.	Please clarify if this is Bidder only criteria.	No Change
75	ParadigmIT Technology Services Pvt. Ltd.	Chapter-VII	49	Note:- * Here 'T' Indicates the date of LOA.	Request T be considered as Date of Contract signing and not date of LOA.	Refer corrigendum
76	ParadigmIT Technology Services Pvt. Ltd.	Chapter-VII	49	Start pack Integration, implementation and demonstration.	Request to update this to T+30 days at a minimum as the first time platform setup and 5 data sources integration with corresponding coordination can not be done in such short time.	No Change
77	ParadigmIT Technology Services Pvt. Ltd.	Chapter-VII	49	Start pack Integration, implementation and demonstration.	Request to share details of the Start Pack like data volumes, number of fields, mode of integration (API, Database) etc. Dates can not be committed without knowing which data sources and integration mechanism at minimum.	The selected partner will do the requirement analysis with client

78	ParadigmIT Technology Services Pvt. Ltd.	Chapter-VII	49	Full Design, development, integration of service.	Please clarify what constitutes this Milestone item. There could be continuous ongoing activities and without showcasing some scope confirmation, how do the authority measure this to be completed at T+90? There can not be a penality without clarity in scope as this is open-ended.	**Milestone to achieve in T+90 days** Complete required integrations and dashboards development (minimum 10 Nos. of integrations of different independent systems of higher education and minimum 15 Nos. of development & deployment of dashboards on cloud as well as the quantity agreed with the client)
79	ParadigmIT Technology Services Pvt. Ltd.	Chapter VIII, Payment Terms	52	**For Operation Maintenance support** Payment shall be released after successful completion of year-on-year operation maintenance support period **Payment % of the Contract** 100% Operation Maintenance support Cost per year after successful completion of Operation Maintenance support	Payment for O&M is not clear. Please clarify this as Monthly/Quarterly payment.	Payment will be made on yearly basis
80	ParadigmIT Technology Services Pvt. Ltd.	Chapter VIII, Payment for PMU	52	The agency will submit pre-receipted bills in triplicate (having details of concerned work-order number, Date and Project-Number of EdCIL) on quarterly basis in the name of EdCIL-Noida by the 5th day of the succeeding quarter along with the Quarterly Satisfactory Performance Report(s) of the Team Members deployed duly signed by Client's Project coordinator. Payment will be made within 30 days of submission of the Bill along with all the completed documents and after deducting the applicable penalty if any.	Request payment to be made within 15 days of invoice submission.	No Change
81	ParadigmIT Technology Services Pvt. Ltd.	Chapter-VII	52	The Operation Maintenance support Period will commence from the date of Operational Acceptance of the National Observatory platform from end client.	Please confirm the operational acceptance criteria of the National Observatory Platform is the "starter pack integration". If any other, please mention the same.	Operational acceptance criteria for the National Observatory Platform include the full design, development, and integration of services after acceptance from the department.

82	ParadigmIT Technology Services Pvt. Ltd.	Chapter VIII, Payment for PMU	53	No TA/DA is admissible for the deployment of agency Team Members on projects anywhere in India.	Please confirm the resources will be working only in the designated project working location provisioned by the Department. For any official travel or meetings to be attended, it is required for Department to cover those costs.	Deployment of manpower would be at Ministry of Education, Delhi. Bidder has to undergo the expenses of travel on their own
83	ParadigmIT Technology Services Pvt. Ltd.	Chapter VIII, Payment for Cloud	53	The invoices must be based on resources actually consumed and committed. Bidder must submit Detailed usage report (Utilization Report) providing details of the consumption of the individual services along with Invoices.	Please confirm the payment will not have any issues even if the actual cloud cost increases\decreases than what is provided for BOQ mentioned in Financial Format. Based on actual data volumes, ICCC architecture, number of users, cloud cost might vary.	Bidder can propose the justifiable infra as per their solution. The billing will be as per actual utilization of the cloud resources.The bidder is also required to provide the technical stack during the technical presentation.
84	ParadigmIT Technology Services Pvt. Ltd.	Chapter VIII, Note	53	Payments will be done only on the back to back basis on receipt of the related payment/funds from the end client, subject to satisfactory acceptance of the deliverables from the end client as per the submission of the required document.	Request commitment for payment as per timelines and not keep it dependent on end client.	No Change
85	ParadigmIT Technology Services Pvt. Ltd.	Chapter VIII, Note	53	The billing for PMU resources required after deployment would commence from the date of deployment Acceptance of the National Observatory platform.	We understand that the resources for PMU will be deployed within 30 days from the deployment acceptrance of National observatory platform.	Resources of PMU will be deployed after Full Design, development, integration of service.
86	ParadigmIT Technology Services Pvt. Ltd.	FINANCIAL BID SUBMISSION SHEET C. CLOUD	107	VAPT 1 Per month	VAPT is not usually performed every month. It is performed usually every year. Please confirm specific scope of VAPT and required frequency.	BoQ is specified in the RFP for seeking prices. Billing would be as per the actual consumption
87	ParadigmIT Technology Services Pvt. Ltd.	FINANCIAL BID SUBMISSION SHEET C. CLOUD	109	Datawarehouse	Ideally, this shall be part of ICCC Backend system and additional item is not requried. Please clarify.	Bidder can propose the justifiable infra as per their solution. The billing will be as per actual utilization of the cloud resources.The bidder is also required to provide the technical stack during the technical presentation.

88	Unify Technologies	Technical Evaluation	46	The Bidder/COTS OEM must have successfully supplied command & control software under any completed project of value not less than Rs. 2 crores in any of the last seven years preceding on bid due date.	In case the bidder has executed multiple engagements with total value of 2 Cr will that we considered as part of eligibility?	No Change
89	Unify Technologies	5.5 - Scope of Work	23	A suitable COTS ICCC Platform is to be deployed as the National Education Observatory Platform.	EDCIL has recommended usage of COTS for implementation of ICCC. Are there any specific COTS which have been evaluated by EDCIL for this purpose or any recommendations from EDCIL for COTS product?	Bidder are free to propose their COTS product, fulfilling all the terms and conditions of the tender.
90	Unify Technologies	5.5 - Scope of Work	23	A suitable COTS ICCC Platform is to be deployed as the National Education Observatory Platform.	Is Bidder free to suggest any other licensed / open source COTS or combination of COTS products?	Yes, it should fulfill the given requirement in scope of work.
91	Unify Technologies	Technical Evaluation	46	The Bidder/COTS OEM must have successfully supplied command & control software under any completed project of value not less than Rs. 2 crores in any of the last seven years preceding on bid due date.	The ICCC required under this RFP scope primarily deals with Data ingestion from multiple sources, Data lake, Data visualization and governance. In case the bidder has implemented similar solution but not under nomenclature of ICCC will the bidder be disqualified?	No Change
92	Unify Technologies	General	6	29.01.2024 till 15:00 hrs In case a Holiday is declared on the day of the event, the same will be held on the next working day at the same time & venue.	Request for extending the submission of the Bid by one week to Feb 5th as Week of 22nd is short week due to holidays.	Refer corrigendum
93	Unify Technologies	5 - Scope of Work		Functioning of the National Education Observatory Platform:	Please provide more specifics around the data formats and data sources for integration with Swayam, Shodh, e-yantra, etc.?	The selected partner will do the requirement analysis with client
94	Unify Technologies	5 - Scope of Work		Functioning of the National Education Observatory Platform:	Since the systems that needs to be integrated might go undergo change in due course of time hence any impact on the ICCC platform due to change in data format or data source has to be considered under change request, pls confirm	The commercial quoted by the bidder should be inclusive of all kind of change request

95	Unify Technologies	5.4 Functioning of the National Education Observatory Platform:	21	The department will have provision to deploy their AI/ML models into the platform and utilize the platform's Analytics training server to train the model using the data within the platform.	The involvement of bidder for AI / ML model development, testing and deployment is not clear from the scope of work? Please elaborate on the AI / ML works that needs to be done by bidder as part of this engagement	Platform should support the functioning of AI/ML model
96	Unify Technologies	5.5 Scope of Work	23	The dashboards shall have multi-level drilldown capabilities for view from Country level to state level to district level etc. and shall also be configurable and interactive.	The RFP document mentions regarding the drill down dashboard to get the status of each of the programs / region etc. However, there is no mention of different categories of dashboards like project management status, financial status, operation status, compliance status etc. Please provide more info on the types of dashboards required	The selected partner will do the requirement analysis with client
97	Unify Technologies	5.5 Scope of Work	23	Functioning of the National Education Observatory Platform:	Please provide more details on volume of existing data that needs to be migrated for providing view into historical data	The selected partner will do the requirement analysis with client
98	Unify Technologies	5.5. Scope of Work	22	The platform shall execute defined automation rules on all new incoming data and initiate alerts, SOP (Standard Operating Procedure) as required.	Each of the programs / data source will have its specific alerts and incidents. Please provide more details around kind of alerts for each of the schemes	The selected partner will do the requirement analysis with client
99	Unify Technologies	5.5 Scope of work	23	ICCC platform shall also be able to integrate, connect, and correlate information from IoT Platforms and other IT & non-IT systems, providing rule based information drawn from various sub-systems for KPIs and an alert. Platform shall have the ability to add / remove sensors including new vendor types as per future business requirements. It should support SDK/API based integration with the IT Systems as well as IoT systems if required.	The system is expected to integrate with IoT systems, which all schemes have IoT specific data and is there specific protocol being followed to push the data ?	The selected partner will do the requirement analysis with client
100	Unify Technologies	5.5 Scope of work	23	Functioning of the National Education Observatory Platform:	Please provide more details on no of users that will be using the platform and other volumetric to address the scalability requirement	The selected partner will do the requirement analysis with client
101	Unify Technologies	5.5 Scope of work	23	Functioning of the National Education Observatory Platform:	What is the support window for the platform post implementation, is it going to be 24X7?	Yes, the support window platform should be 24X7

102	Cyfuture India Private Limited	CHAPTER-VI Eligibility and Bid Evaluation 6.2 Eligibility Criteria	42	3. The Bidder/COTS OEM must have successfully supplied command & control software under any completed project of value not less than Rs. 2 crores in any of the last seven years preceding on bid due date.	**We request you to please allow the minimum value not less than Rs. 1 Crores instead of 2 Crores, and amend this clause as:-** The Bidder/COTS OEM must have successfully supplied command & control software under any completed project of value not less than **Rs. 1 crores** in any of the last seven years preceding on bid due date.	No Change
103	Cyfuture India Private Limited	CHAPTER-VI Eligibility and Bid Evaluation 6.2 Eligibility Criteria	42	The Bidder should have experience of 1 project with a customer in India on setting up dashboards and analytics solution on public cloud. OR The Bidder should have experience in integration minimum 3 sub-systems out of the below mentioned in a single project during the last three years preceding on bid due date. 1. Video Management Software 2. E-Governance 3. Public Address System	**We request you to please allow Analytics Support also, and amend this clause as :** The Bidder should have experience of 1 project with a customer in India on setting up dashboards and analytics solution or **Analytics Support** on public cloud. OR The Bidder should have experience in integration minimum 3 sub-systems out of the below mentioned in a single project during the last three years preceding on bid due date. 1. Video Management Software 2. E-Governance 3. Public Address System	No Change
104	XtraNet Technologies Private Limited	5.10 Terms and Conditions for PMU	33	c. If the Client / EdCIL so recommends, a deployed Team Member must be replaced by the agency within a period of 15 working days.	Since most resource notice periods range from 45 to 60 days, please extend the time frame for resource replacement. Kindly amend this clause as: If the Client / EdCIL so recommends, a deployed Team Member must be replaced by the agency within a period of **45** working days.	No Change

105	XtraNet Technologies Private Limited	5.11 CLOUD SECTION:	35	Note: Cloud will either be provided by Client or bidder has to procure it on it own Payment for cloud will be made only in case Cloud is procured from Bidder side.	This section needs clarification because dept. requests for the cost of the cloud component in the financial proposal, which makes it unclear whether the bidder must provide the cloud or the department will.	Cloud will either be provided by Client or bidder has to procure it on it own Payment for cloud will be made only in case Cloud is procured from Bidder side.
106	XtraNet Technologies Private Limited	6.2 Eligibility Criteria:	42	The Bidder should have experience of 1 project with a customer in India on setting up dashboards and analytics solution on public cloud. OR The Bidder should have experience in integration minimum 3 sub-systems out of the below mentioned in a single project during the last three years preceding on bid due date. 1. Video Management Software 2. E-Governance 3. Public Address System	We request to department kindly amend this clause as : The Bidder should have experience of 1 project with a customer in India on setting up dashboards *or* analytics solution on public cloud*/Data Center* OR The Bidder should have experience in integration minimum 3 sub-systems out of the below mentioned in a single project during the last three years preceding on bid due date. 1. Video Management Software 2. E-Governance 3. Public Address System	No Change

| 107 | XtraNet Technologies Private Limited | TECHNICAL EVALUATION | 46 | The Bidder should have experience of 1 project with a customer in India on setting up dashboards and analytics solution on public cloud.
OR
The Bidder should have experience in integration minimum 3 sub-systems out of the below mentioned in a single project during the last three years preceding on bid due date.
1. Video Management Software
2. E-Governance
3. Public Address System

⮚ 3 or more project will get the maximum 15 marks.
⮚ Individual bidders will get marks as follows-= (No. of executed Projects / 3)*15 | We request to department kindly amend this clause as :

The Bidder should have experience of 1 project with a customer in India on setting up dashboards **or** analytics solution on public cloud**/Data Center**
OR
The Bidder should have experience in integration minimum 3 sub-systems out of the below mentioned in a single project during the last three years preceding on bid due date.
1. Video Management Software
2. E-Governance
3. Public Address System

~~⮚ 3 or more project will get the maximum 15 marks.~~
~~⮚ Individual bidders will get marks as follows-= (No. of executed Projects / 3)*15~~

* Project value upto 30 lacs= 5 Marks
* Project value between 30 to 50 lacs = 10 marks
* Project value is more than 50 lacs = 15 marks | No Change |

108	XtraNet Technologies Private Limited	TECHNICAL EVALUATION	47	The bidder must have at least 20 full time software professionals on its rolls as on bid due date. > 50 resources : 15Marks > 30 resources: 10Marks > 20 resources: 5Marks Supporting doc: A valid Certificate issued on the BIDDER's letter head and signed by Company's HR /Company Secretary/ Authorized Signatory of the BIDDER Bidder should also submit EPF summary Statements of 06 Months	We request to department kindly amend this clause as : The bidder must have at least 20 full time software professionals on its rolls as on bid due date. > 50 resources : 15Marks > 30 resources: 10Marks > 20 resources: 5Marks Supporting doc: A valid Certificate issued on the BIDDER's letter head and signed by Company's HR /Company Secretary/ Authorized Signatory of the BIDDER Bidder should also submit EPF summary Statements. of 06 Months	No Change
109	XtraNet Technologies Private Limited	Timelines for Deployment of Platform:	50	3. Start pack Integration, implementation and demonstration= T+14	We request to department kindly amend this clause as : 3. Start pack Integration, implementation and demonstration= *T+30*	No Change
110	XtraNet Technologies Private Limited	Payment terms	52	Payment for PMU The payment to the Successful Bidder will be made on quarterly basis depending upon the actual duration of services rendered.	Bidder has to pay salary to resources on monthly basis that's why we request to department kindly amend this clause as : Payment for PMU The payment to the Successful Bidder will be made on quarterly *Monthly* basis depending upon the actual duration of services rendered.	No Change

111	CMS Computers Ltd	Chapter VIII, Payment Terms	52	**For Operation Maintenance support** Payment shall be released after successful completion of year-on-year operation maintenance support period **Payment % of the Contract** 100% Operation Maintenance support Cost per year after successful completion of Operation Maintenance support	We request you to kindly amend the clause as below **"Payment shall be released after successful completion of every quarter for operation maintenance support period"**	No Change
112	CMS Computers Ltd	Chapter VIII, Payment for PMU	52	The payment to the Successful Bidder will be made on quarterly basis depending upon the actual duration of services rendered.	We understand that the payment will be made on quarterly basis against the availability of manpower. Please clarify.	Payment will be made on quarterly basis against the resources deployed and their attendance duly verified by the client.
113	CMS Computers Ltd	Chapter VIII, Payment for PMU	52	The agency will submit pre-receipted bills in triplicate (having details of concerned work-order number, Date and Project-Number of EdCIL) on quarterly basis in the name of EdCIL-Noida by the 5th day of the succeeding quarter along with the Quarterly Satisfactory Performance Report(s) of the Team Members deployed duly signed by Client's Project coordinator. Payment will be made within 30 days of submission of the Bill along with all the completed documents and after deducting the applicable penalty if any.	We request you to kindly amend the clause as below: "The agency will submit pre-receipted bills in triplicate (having details of concerned work-order number, Date and Project-Number of EdCIL) on quarterly basis in the name of EdCIL-Noida by the 5th day of the succeeding quarter along with the Quarterly Satisfactory Performance Report(s) of the Team Members deployed duly signed by Client's Project coordinator. Payment will be made within **15 days of submission** of the Bill along with all the completed documents and after deducting the applicable penalty if any."	No Change

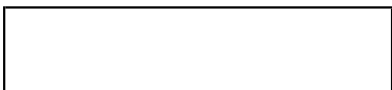|							
114	CMS Computers Ltd	Chapter VIII, Payment for PMU	53	No TA/DA is admissible for the deployment of agency Team Members on projects anywhere in India.	We understand that the deployment of manpower would be at the EDCIL adress, Please clarify? We request that the official travel should be on reimbursable basis.	Deployment of manpower would be at Ministry of Education, Delhi. Bidder has to undergo the expenses of travel on their own
115	CMS Computers Ltd	Chapter VIII, Payment for Cloud	53	Payment to the Supplier shall be made in Indian Rupees through account payee cheque / NEFT / RTGS, Payments will be done only on the back-to-back basis on receipt of the related payment/funds from the end client, subject to acceptance of the deliverables from the end client as per the submission of the required document.	We understand that the cost quoted by the bidder will be paid in 4 equal quarters. As we need to commit the minimum infrastrure deployment to the service provider.	No Change
116	CMS Computers Ltd	Chapter VIII, Note	53	Payments will be done only on the back to back basis on receipt of the related payment/funds from the end client, subject to satisfactory acceptance of the deliverables from the end client as per the submission of the required document.	We should not be held back because non availability of the funds from the end client. We request you to pay the charges on regular basis as per payment terms else the project will not be feasible for us to maintain positive cashflow.	No Change
117	CMS Computers Ltd	Chapter VIII, Note	53	The billing for PMU resources required after deployment would commence from the date of deployment Acceptance of the National Observatory platform.	We understand that the resources for PMU will be deployed within 30 days from the deployment acceptance of National Observatory platform.	Resources of PMU will be deployed after Full Design, development, integration of service.
118	CMS Computers Ltd	5.5	23	Security features of the solution to conform to industry standards including Information Technology Act 2000, Information Technology Rules 2011, Aadhaar (Data Security Regulations) 2016 (if Aadhaar is used in any manner as part of the solution), GDPR, ISO 27108, Personalized Data Protection Bill 2018, etc.	ISO 27108 is related to Water Quality and Biocide products and as such is not applicable here. Recommend this be replaced with relevant ISO 27001.	Refer Corrigendum

119	CMS Computers Ltd	Chapter-VII	49	Full Design, development, integration of service.	Please clarify what constitutes this Milestone item. There could be continuous ongoing activities and without showcasing some scope confirmation, how do the authority measure this to be completed at T+90? There can not be a penality without clarity in scope as this is open-ended.	**Milestone to achieve in T+90 days** Complete required integrations and dashboards development (minimum 10 Nos. of integrations of different independent systems of higher education and minimum 15 Nos. of development & deployment of dashboards on cloud as well as the quantity agreed with the client)
120	CMS Computers Ltd	Chapter-VII	52	The Operation Maintenance support Period will commence from the date of Operational Acceptance of the National Observatory platform from end client.	Please confirm the operational acceptance criteria of the National Observatory Platform is the "starter pack integration". If any other, please mention the same.	Operational acceptance criteria for the National Observatory Platform include the full design, development, and integration of services after acceptance from the client
121	CMS Computers Ltd	FINANCIAL BID SUBMISSION SHEET C. CLOUD	107	VAPT 1 Per month	VAPT is not usually performed every month. It is performed usually every year. Please confirm specific scope of VAPT and required frequency.	BoQ is specified in the RFP for seeking prices. Billing would be as per the actual consumption
122	CMS Computers Ltd	FINANCIAL BID SUBMISSION SHEET C. CLOUD	109	Cloud Integration Service Cloud API Gateway Cluud Anti-DDOS ETL Service ETL Crawler	Please confirm these are only indicational and there is no mandate to use these specific services from Cloud. Many ICCC will have these as inherent functionalities and might be utilized as IaaS.	Bidder can propose the justifiable infra as per their solution. The billing will be as per actual utilization of the cloud resources.The bidder is also required to provide the technical stack during the technical presentation.
123	CMS Computers Ltd	FINANCIAL BID SUBMISSION SHEET C. CLOUD	109	Datawarehouse	COTS ICCC application shall have Bigdata or equivalent backend system as per the ICCC Architecture. Adding an additional Datawarehouse component from cloud side would be redundant and add to the cost.	Bidder can propose the justifiable infra as per their solution. The billing will be as per actual utilization of the cloud resources.The bidder is also required to provide the technical stack during the technical presentation.

Corrigendum

S.No	Tender Page No	Tender Clause Reference	Original clause	Revised Clause
1.	42	6.2, Eligibility Criteria	Proposed Platform should have been deployed in at least 3 smart cities in India. All these implementations should be successfully operational for least 3 years with Integration to minimum 10 different sub systems /applications.	Proposed Platform should have been deployed in at least 2 smart cities in India. All these implementations should be successfully operational for atleast 1 year with Integration to minimum 7 different sub systems /applications.
2.	23	5.5	Security features of the solution to conform to industry standards including Information Technology Act 2000, Information Technology Rules 2011, Aadhaar (Data Security Regulations) 2016 (if Aadhaar is used in any manner as part of the solution), GDPR, ISO 27108, Personalized Data Protection Bill 2018, etc.	Security features of the solution to conform to industry standards including Information Technology Act 2000, Information Technology Rules 2011, Aadhaar (Data Security Regulations) 2016 (if Aadhaar is used in any manner as part of the solution), GDPR, ISO 27001, Personalized Data Protection Bill 2018, etc.
3.	28	5.9 Manpower Section	**Full Stack Developer** B.E / B.Tech in Computer Science (CS) / Information Technology (IT) / Electronics and Communication Engineering (ECE) or equivalent Or	**Full Stack Developer** B.E / B.Tech in Computer Science (CS) / Information Technology (IT) / Electronics and Communication Engineering (ECE) or equivalent Or

			Master's degree in computer science / information technology or equivalent • A minimum of total 3 years of experience in design and delivery of IT solutions, software development and MIS. • At least a year of experience of IT/ICT implementation in education sector for Center/State government. • Should have been a part of at least one project for Centre/State governments or Multilateral/Bilateral Agencies. • Must have good understanding of Web Services protocols such as REST, SOAP and API design for extensibility and portability. • Must have a good understanding of Sunbird or similar open-sppource applications. • Proficient in application stacks like LAMP, JBoss, .Net, MEAN, etc. Programming languages like Php, Java, .Net, Python, R, Shell Script, Ruby, etc. and other open-source languages.	Master's degree in computer science / information technology or equivalent • A minimum of total 3 years of experience in design and delivery of IT solutions, software development and MIS. • At least a year of experience of IT/ICT implementation in for Center/State government. • Must have good understanding of Web Services protocols such as REST, SOAP and API design for extensibility and portability. • Must have a good understanding of Sunbird or similar open-source applications. • Proficient in application stacks like LAMP, JBoss, .Net, MEAN, etc. Programming languages like Php, Java, .Net, Python, R, Shell Script, Ruby, etc. and other open-source languages.
4.			**Database Developer**	**Database Developer**

			B.E / B.Tech in Computer Science (CS) / Information Technology (IT) / Electronics and Communication Engineering (ECE) or equivalent Or Master's degree in computer science / information technology or equivalent • A minimum of total 3 years of experience in design and delivery of IT solutions, software development and MIS. • At least a year of experience of IT/ICT implementation for Center/State government. • Should have been a part of at least one project for Centre/State governments or Multilateral/Bilateral Agencies. • Must have good understanding of Web Services protocols such as REST, SOAP and API design for extensibility and portability. • Must have a good understanding of Sunbird or similar open-source applications. • Proficient in application stacks like LAMP, JBoss, .Net, MEAN, etc. Programming languages like	B.E / B.Tech in Computer Science (CS) / Information Technology (IT) / Electronics and Communication Engineering (ECE) or equivalent Or Master's degree in computer science / information technology or equivalent • A minimum of total 3 years of experience in design and delivery of IT solutions, software development and MIS. • At least a year of experience of IT/ICT implementation for Center/State government. • Must have good understanding of Web Services protocols such as REST, SOAP and API design for extensibility and portability. • Must have a good understanding of Sunbird or similar open-source applications. • Proficient in application stacks like LAMP, JBoss, .Net, MEAN, etc. Programming languages like Php, Java, .Net, Python, R, Shell Script, Ruby, etc. and other open-source languages.

			Php, Java, .Net, Python, R, Shell Script, Ruby, etc. and other open-source languages.	
5.			**Devops Developer** B.E / B.Tech in Computer Science (CS) / Information Technology (IT) / Electronics and Communication Engineering (ECE) or equivalent Or Master's degree in computer science / information technology or equivalent - A minimum of total 3 years of experience in design and delivery of IT solutions, software development and MIS. - At least a year of experience of IT/ICT implementation for Center/State government. - Should have been a part of at least one project for Centre/State governments or Multilateral/Bilateral Agencies. - Must have good understanding of Web Services protocols such as REST, SOAP and API design for extensibility and portability.	**Devops Developer** B.E / B.Tech in Computer Science (CS) / Information Technology (IT) / Electronics and Communication Engineering (ECE) or equivalent Or Master's degree in computer science / information technology or equivalent - A minimum of total 3 years of experience in design and delivery of IT solutions, software development and MIS. - At least a year of experience of IT/ICT implementation for Center/State government. - Must have good understanding of Web Services protocols such as REST, SOAP and API design for extensibility and portability. - Must have a good understanding of Sunbird or similar open-source applications.

				• Must have a good understanding of Sunbird or similar open-source applications. Proficient in application stacks like LAMP, JBoss, .Net, MEAN, etc. Programming languages like Php, Java, .Net, Python, R, Shell Script, Ruby, etc. and other open-source languages.	Proficient in application stacks like LAMP, JBoss, .Net, MEAN, etc. Programming languages like Php, Java, .Net, Python, R, Shell Script, Ruby, etc. and other open-source languages.
6.	14	Section 4.5		The Bidder should submit EMD of Rs. 3,25,000/- through BG/Demand Draft drawn in favor of "EdCIL (India) Limited" payable at NOIDA along with the bid. The Bid sent without EMD would be considered as UNRESPONSIVE and will not be considered for evaluation.	The Bidder should submit EMD of Rs. 3,25,000/- through BG/Demand Draft drawn in favor of "EdCIL (India) Limited" payable at NOIDA along with the bid. The Bid sent without EMD would be considered as UNRESPONSIVE and will not be considered for evaluation. **OR** The Bidder should submit EMD of Rs. 3,25,000/- through NEFT/RTGS. The bank details for the transfer of funds is as below: Bank Name - BANK-SBI-DELHI 36830596465 A/c No. - 36830596465 Branch & IFS Code - New Delhi & SBIN0000691 Scanned copy of BG/DD/NEFT or RTGS submission receipt (UTR number) to be uploaded with tender documents and

				original BG/DD shall be submitted offline at "18 A EdCIL House, Film City, Sector 16A, Noida, Uttar Pradesh 201301".
7.	22	5.5 Scope of work Point No. 3	Deployment of the platform in High Availability Model in Public Cloud (provided by department).	Deployment of the platform in High Availability Model in Public Cloud. Cloud will either be provided by Client or bidder has to procure it on it own Payment for cloud will be made only in case Cloud is procured from Bidder side.
8.	49	Chapter-VII	Note:- * Here 'T' Indicates the date of LOA.	Note:- * Here 'T' Indicates the date of LOI/LOA.
9.	49	Chapter-VII	Starter pack integration means integrating the first five datasets (as per client requirements) and initiating their visualization.	Milestone to achieve in T+14 days Complete required integrations and dashboards development (Minimum 2 Nos. of integrations of different independent systems of higher education and minimum 5 Nos. of development & deployment of dashboards on cloud as well as the quantity agreed with the client)

Addendum

S.No	Additional Clause/ Item	Tender clause No and Page No	Additional Clause
1.	Technical Compliance	Added as new annexure- XVI Page No: 45	Refer Annexure-XVI
2.	Scope of Work	Added as new section in Scope of work Page No: 39	**Exit Management and Knowledge Transfer** The bidder must establish an exit management system to ensure a smooth transition at the end of the contract. This system should cover data handover, source code transfer, and continuity of services. The bidder is responsible for detailed knowledge transfer to provide in-depth insights into the content's structure and functionality. This knowledge transfer should include comprehensive training and documentation. ● Transition Planning: Initiate exit planning well in advance, outlining clear objectives, timelines, and responsibilities to facilitate a smooth handover. ● Documentation Transfer: Ensure that all relevant documents, including source codes, content files, configuration data, and access credentials, are systematically transferred to the client. Transfer ownership and access to source codes and software, where applicable. Clarify the technology stack and dependencies, ensuring the client can maintain or modify the content.

			● Data Backup: Perform a final data backup to secure content, user data, and system configurations, mitigating the risk of data loss during the transition. ● User Communication: Develop a comprehensive communication plan to inform stakeholders, and affected parties about the transition process, any service delivery changes, and potential downtime. ● Training: Deliver comprehensive training sessions to designated client personnel. Cover content management, system administration, troubleshooting, and tool or platform utilization. ● Content Maintenance Guidelines: Provide guidelines on content updates, quality checks, and adherence to educational standards. Discuss content review schedules and the process for content improvements. ● Troubleshooting and Issue Resolution: Equip the client with the skills and knowledge to identify and address technical issues effectively, ensuring uninterrupted service.
3.	Key Contract Terms	Added as new clause in Key contract terms	Duration of the contract shall be initially for 1 year. The same can be extended based on satisfactory performance for one year at a time to maximum period of 2 years.

Technical Compliance Sheet

S. No.	Functional/Technical Parameters	Description	Compliance (Yes/No)
1.	Command & Control	The solution must use the latest application architecture models of Service-oriented Architecture and Microservices architecture for better interoperability and performance and should be compatible to work on Web browser only.	
2.		The platform must be a low-code platform and should have no-code capabilities	
3.		The platform must be able to integrate data from different sub-systems and provide a unified view of the sub-system data over visualization dashboards	
4.		The platform must have the ability to ingest data into time-series or document-oriented databases	
5.	Events	The platform must be able to create event definitions, automation rules, and the events can be raised by these automation rules basis the streamed data without any coding efforts. Complex events with combination of rules shall be possible.	
6.	Data Connectors	Platform must have the ability to connect to different source systems using varied connection protocols and consume the data that can be either used for ingestion into the platform database or be directly pushed for the visualization layer to be consumed by visualization layer or be exposed as an API to be consumed by 3rd party	
7.		Platform must have the ability to connect to source systems using protocols like MQTT, FTP and TCP/IP Socket, Webservices that confirms to REST style architecture, RBDMS database that include Oracle, MySQL and Postgres, and flat file that of CSV, TSV and JSON formats	

8.		Platform must have the ability to provide Interactive query builder and additionally provide raw query capability while connecting to the RDBMS database as well as support CURL import to create connectors with ease.	
9.	Adapters	Platform must have the capability to normalize the data using various in-built functions and custom functions that using scripting to change the data from any incoming data schema to the schema that the platform understands, and ingest the data	
10.	Datasets	Platform must have an intuitive data flow-based drag and drop studio, where the data can be pulled from different connectors and the transformed using pre-build functions or using custom functions. Shall support CSV, TSV, JSON, GEOJSON data types	
11.		Platform must provide the ability to call another dataset into the existing dataset, so that nested datasets can be created which can bring in modularity while transforming data and sets reusability of datasets	
12.	Standard Operating Procedures (SOPs)	Platform must be able to create SOPs and SOP templates through intuitive drag and drop based editor.	
13.		Platform must provide ability to add multiple users to approve the SOPs. Any of them must be able to approve it via email or platform interface	
14.		Platform must support sending an attached file of at most 5mb via email for SOP instance and must support the following formats: doc, docx, xls, xlsx, xlsm, pdf, csv, txt, tsv.	
15.		Platform must be able to use the outbound adapters in SOPs to trigger external source systems	
16.	Escalation Rules	Platform must provide the Escalation capability if the SOP is not completed within the stipulated time that is set	
17.	Distribution Groups	Platform must provide an ability to create groups that consists of users from same or different departments and the groups can be used in tasks	

18.	Visualization	Platform must have capability to create grid-based widget system to create different visualization elements and compose it over dashboards	
19.		Platform must be capable of providing different widgets like charts, datagrids, KPI, map, videowall, timeline, FloorMap, Word cloud and advanced widgets like Map Drilldown, Advanced Charts, Web Component etc.	
20.		Platform must allow multiple configuration options for each widget including but not limited to the title, colors, style, widget specific configuration options like different types of charts for chart widget, different map settings for map widget etc.	
21.		Platform must provide the ability to share the dashboards with a single user or default role or derived role with the read and write permissions and additional ability to transfer ownership when to a single user	
22.		Platform user must be able to perform slide show of the selected dashboards and can loop continuously with the appropriate loop interval set	
23.		Platform must provide aggregation capabilities within the chart widget on hourly, daily, weekly, monthly and yearly basis for easy slice and dice of the visualized data	
24.		Platform visualization must be intuitive that the two or more widgets should be able to communicate with each other wherein the change in one or more widgets should affect the other widgets in the dashboard	
25.		Platform should allow map widget to drilldown from one level to next level and allow other related widgets data to be automatically updated based on the selected drilldown level.	
26.		Platform must allow to export datagrid datasets as PDF formats with watermark	
27.	Video-Wall	Platform must be capable of stream live video by using webrtc and HLS protocols, RTSP Stream. Also support recording, screenshots of video feed. Shall support VideoWall Guarded Tour capability.	

28.		Platform must be able to show the live video from the cameras in a grid-based system in the video wall widget and the user should be able to configure how many rows and columns can be set in a grid with a max of 6x6 grid	
29.	Dashboard settings	Dashboard layout must be customizable that the number of row and columns in the dashboard, and the margin between each grid can be set by the dashboard creator before the widgets are placed in the dashboard	
30.		Platform must have an ability to export the dashboard where the dashboard setting, the widget setting, and underlying data settings are exported in the form of a JSON file and the same can be imported later	
31.	Public Dashboard	Platform must be able to expose the dashboards to the public, so that the dashboards can be consumed without login into the platform	
32.		Public dashboards usage must be rate limited to avoid unscrupulous usage of the dashboard, and the rate limits can be controlled by the backend settings	
33.	Scheduled Reports	Platform must have an ability to schedule reports from the existing dashboards that represents the snapshot of the underlying data in visual format in PDF format	
34.	Event/Incident Management	Platform must have differentiated color cues for different criticalities of the event that are sourced from the sub-systems or generated in the platform	
35.		Platform must have the ability to show the events over the map view so that there is a sense of awareness amongst the platform users where the event has occurred	
36.		Platform users must have the capability to create manual events from the Event Management module by providing appropriate domain, event type, description, location details and image/video for proof of event	
37.		Platform users must have the ability to download the event details in the form of a PDF file the contains the Event details, SOP and Task Details, Media information, and over all comments and audit trail	

38.	Role based Access Control (RBAC)	Default roles must have the default features access capabilities predefined and can't be changed at any time	
39.		Platform must have the ability to assign appropriate features, domains, region, role access to the roles that are derived from the default roles	
40.	Attribute based Access Control (ABAC)	Platform must have the ability to provide fine-grained restriction of the data basis the attribute and the attribute values assigned to users. User Attributes can be programmatically used in the entire platform	
41.	Region Management	The platform must provide capability to create regions, with a parent/root region for the tenant and hierarchy of regions below the parent/root region.	
42.	BI Analytics	BI Analytics capability for Cross-domain data must be in-built in the platform without usage of additional COTS product or additional integrations.	
43.		Platform must be capable of providing slice and dicing capability using the visual representations and actions available in the dashboard widget system	
44.	AI/ML Analytics Engine	The Analytics engine must be an artificial intelligence-based module to maximize business value through advanced machine learning capabilities. The machine learning capabilities must aid in operations management and result in better outcomes.	
45.		The admin should be able to dynamically configure the models, model hyper parameters, training interval, forecast period required for model training.	
46.		Analytics Engine must have automatic Model training and retraining capability and should not have any manual intervention. External models should be deployable and trained in the platform.	
47.		Analytics Engine must be able to analyze huge data sets and provide ML modelling along with statistical modelling to obtain valuable insights	
48.		Analytics Engine must be able to analyze input data and diagnose the quality of data without any manual intervention	

49.		Analytics Engine must have effective data cleansing capability i.e. should be able to statistically impute the data when any missing values are detected	
50.		Analytics Engine must be able to convey overall model performance while enabling direct error examination and debugging to ensure that your model is maintaining a predetermined desired level of performance.	
51.		Analytics engine must provide metrics which will help in model monitoring such as Adjust R-square, Mean Square Error, Precision value	
52.		The admin must have an interface to visualize all the model diagnosis reports which include the data diagnosis and model performance data	
53.		Analytics Engine must provide univariate, bivariate and multivariate models which supports the following algorithms Multivariate RNN, Multivariate MLP, Univariate NBeats, Ludwig.	
54.		Analytics Engine must provide Auto Regression/Moving Average/ARMA/ARIMA/ Exponential Smoothing/Vector Auto Regression model based on the input data and domain to be analyzed	
55.	Multi-tenant	Platform must have a multi-tenant architecture and have capability to be deployed On-premises and On cloud.	
56.	Single Sign On	Platform must be capable to participate in a federated SSO using SAML 2.0 protocol	
57.	Security	Platform must be compliant to OAUTH 2.0 authorization framework where the client obtains access tokens provided from the authorization server with the approval of the resource owner	
58.		Platform must be able to provide 2FA (Two factor authentication) capability, so that there is additional level of security that is added to the platform and stop the compromised users from logging into the platform.	
59.		Platform must be able to set different multi factor authentication support that includes email, SMS and TOTP authentication	

60.		Platform must provide reCAPTCHA to prevent SPAM and platform abuse and support account lock feature on 5 consecutive login failures.	
61.	Deployment Automation	Platform microservices and the common infrastructure installation must be completely automated. Platform microservices deployment shall be possible in On-prem as well as cloud.	
62.	High Availability	Platform must be fault tolerant and have redundancy baked into the architecture, and thus be resilient and have fast error reduction	
63.	Monitoring and Alerting	Infrastructure level monitoring, Platform Microservices monitoring, Common Infrastructure monitoring, Data Stream monitoring must be performed, and any abnormality must be alerted through email and integration with enterprise grade collaboration tools	
64.	Logging	Centralized log monitoring must be available that consolidates the logs from all the different microservices and represented in one single are	
65.	Scaling	Platform must be able to manually scale both horizontally and vertically at both on-prem and cloud deployments. Must support auto-scale horizontally over Cloud Deployments.	

The Revised date and time of the RFP will be as follows:

S.No	Event Description	Date and Time (as per Tender document)	Revised date and Time
1.	Last Date and Time for receipts of Bids	29.01.2024 upto 15:00 hrs	30.01.2024 upto 17:00 hrs
2.	Date and Time of Opening of Technical Bids	29.01.2024 at 15:30 hrs	30.01.2024 at 17:30 hrs

Note: All others terms and conditions of the tender document will remain same.

Sd/-
Chief General Manager
(DES)